

FIG. 2

			2/7
		MF.	
1+1 1+2 1+3 1+4 1+5 1+6 1+7 1+8 1+9 1+10 1+11 1+12 1+13 1+14 1+15	15	4] [
i+14	9 10 11 12 13 14 15	#3	
i+13	5	#2 #3 #4 #1 #2 #3 #4 #1 #2 #3 #4 #1 #2 #3	
i+12	12	#	
<u>=</u>	Ξ	#4	
i+10	유	#3	
6+1	ი	#5	
. <u>±</u>	∞	#1	
<u>1+7</u>	7	#	
9±!	9	#3	
<u>+</u> 2	5	#5	
<u>∓</u>	4	#1	
÷.	က	#4	
;±	2	#3	
Ξ	-	#5	
	0	#	
OCh superframe #	MFI	Useful signal # 2.5G→10G	10G→40G

#9 | #10 | #11 | #12 | #13 | #14 | #15 | #16

9
411 #12 #13 #2 #15 #16
*
#
#13
#15
#11
#5
#
8#
1.5
#5
42
#4 #5 #5 #
#3
#1 #5
#
Useful signal # a x 2.5G+ b x 10G → 40G

2.56 106 2.562.562.56 106 2.562.56 106 2.562.56 106 2.562.56 2.56 106 1 x 10G → 40G 12 x 2.5G+

							3	3/7	01	palallel							
	Useful signal #	Useful signal #1	Useful signal #2	Useful signal #3	Useful signal #4	Useful signal #1	Useful signal #2	Useful signal #3	Useful signal #4	Useful signal #1	Useful signal #2	Useful signal #3	Useful signal #4	Useful signal #1	Useful signal #2	Useful signal #3	Useful signal #4
	9	RP	RP	RP	쮼	æ	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	쮼
	2	RP	뮨	RP	RP	RP	RP	RP	RP	RP	RP	RP	R	RP	RP	RP	윤
SPE	4	RP.	쮼	윤	RP	쮼	PP.	æ	뮨	윤	RP	RP	RP	RP.	RP.	PP.	RP
FIG. 3	62	FP.	RP.	윤	뮨	쮼	윤	윤	윤	쮼	윤	윤	PP.	윤	윤	RP.	PP PP
FI	2	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP
Ю	-				OCh-POH bytes with	regular meaning	•			Stuff control management	information	Userul Signal #1 (i = [1 4]) as a function	of the MFI 104	Negative stuff locations (-) (+)RP		Userul signal #I (i ∈ [1 4]) as a fiin	>
	n/row	X3 1	X3 2	X3 3	X3 4	X3 5	X3 6	X3 7	X3 8	X3 9	X3 10	X3_11	X3_12	X3_13	X3 14	X3_15	X3_16
	OCh column/row	•	. 2	i co	. 4	· rc	9	7	∞	6	9	=	12	13	14	15	16

								4,		ol Jollor	חשומו	SMO.						
		Useful signal #	Useful signal #1	Useful signal #2	Useful signal #3	Useful signal #4	Useful signal #5	Useful signal #6	Useful signal #7	Useful signal #8	Useful signal #9	Useful signal #10	Useful signal #11	Useful signal #12	Useful signal #13	Useful signal #14	Useful signal #15	RP Useful signal #16
		9	RP	RP	RP	RP	RP	RP	RP	RP	윤	RP	RP	쮼	RP	RP	RP	P.
		5	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP
	SPE	4	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP (+)RP
FIG 4		ო	+)RP (+)RP (+)RP (+)RP (+)RP	+)RP (+)RP (+)RP (+)RP	+)RP (+)RP (+)RP	+)RP (+)RP (+)RP (+)RP	+)RP (+)RP (+)RP	(+)RP (+)RP (+)RP	(+)RP (+)RP (+)RP	(+)RP (+)RP (+)RP	(+)RP (+)RP (+)RP	(+)RP (+)RP (+)RP	(+)RP	(+)RP	(+)RP (+)RP (+)RP	(+)RP (+)RP (+)RP	(+)RP
FI		2	(+)RP (+)RP (+)RP	(+)RP ((+)RP ((+)RP ((+)RP ((+)RP ((+)RP	(+)RP	(+)RP	(+)RP	(+)RP	(+)RP (+)RP (+)RP	(+)RP	(+)RP	(+)RP	(+)RP
	동	-		L		OCh-POH bytes with	regulal Illealillig				Stuff control management	information	Useful signal #1 $(+)RP$ $(+)RP$	of the MFI 104	X3_13 Negative stuff locations (-) (+)RP (+)RP (+)RP (+)RP		Userui signai #i (i ∈ [1 16]) as a fun	of the MFI
		n/row	X3_1	X3 2	X3_3	X3_4	X3 5	3. 6	X3_7	X3_8	X3_9	X3_10	X3_11	X3_12	X3_13	X3_14	X3_15	X3_16
		OCh column/row	-	2	က	4	5	9	7	∞	တ	9	Ξ	12	13	14	15	16

								5/7	J6	parallel	0.00						
	Useful signal #	Useful signal #1	Useful signal #2	Useful signal #3	Useful signal #4	Useful signal #5	Useful signal #6	Useful signal #7	Useful signal #8	Useful signal #9	Useful signal #10	Useful signal #11	Useful signal #12	Useful signal #13	Useful signal #14	Useful signal #15	Useful signal #16
	9	RP.	RP.	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP.	RP.	RP	RP
	5	(+)RP	윤	(+)RP	(+)RP	(+)RP	RP	(+)RP	(+)RP	(+)RP	RP	(+)RP	(+)RP	(+)RP	윤	(+)RP	(+)RP
SPE	4	(+)RP	æ	(+)RP	(+)RP	(+)RP	RP	(+)RP	(+)RP	(+)RP (+)RP	RP	(+)RP	(+)RP	(+)RP	윤	(+)RP	(+)RP
FIG. 5	က	+)RP (+)RP (+)RP	윤	+)RP (+)RP (+)RP (+)RP (+)RP	RP	+)RP (+)RP (+)RP (+)RP	+)RP (+)RP (+)RP		RP	(+)RP	(+)RP	(+)RP	윤	(+)RP	(+)RP
FI	2	(+)RP ((+)RP	(+)RP (+)RP	(+)RP (+)RP	(+)RP ((+)RP	(+)RP ((+)RP ((+)RP (+)RP	(+)RP	(+)RP (+)RP (+)RP (+)RP	(+)RP (+)RP (+)RP	(+)RP ((+)RP	(+)RP (+)RP	(+)RP (
Ю	-				OCh-POH bytes with	egulal IIIealIIIg				Stuff control management	information	USEIUI SIGNAI #I (i = [1 161) as a function	of the MFI 104	Negative stuff locations (-) (+)RP (+)RP (+)RP	(4 bytes)	(i ∈[116]) as a function	
	ın/row		X3 2	X3_3	X3_4	X3 5	X3_6	X3_7	X3_8	X3_9	X3_10	X3_11	X3_12	X3_13	X3_14	X3_15	X3_16
	OCh column/row	-	2	က	4	5	9	7	∞	6	9	Ξ	12	13	14	15	16

FIG. 6

	0			R_3	R ₂	R ₁	R ₀
	-	RAE		R ₇	R_6	R ₅	R_4
	2	<u></u>		R ₁₁	R_{10}	R ₉	R ₈
	3			R_{15}	R ₁₄	R ₁₃	R ₁₂
;	4	SAI		S3	S_2	S	0 S
5	5	EDC		E ₃	E2	Ę.	E_0
	9	CRA	EDC	^l o	ზ	E5	E4
	7	MFI	CRA	M_3	M_2	M1	M_0
	Bit #			Byte # X3_9	Byte # X3_10	Byte # X3_11	Byte # X3_12

FIG. 7

Position	5	4	က	2	-	0
J eaning	M	MFI	CRA	Protec	Protective information bits	mation
HC	M_3	lM ₁	c_0	E4	E ₃	ᄱ

FIG. 8

0	mation	E ₀
-	Protective information bits	E2
2	Protect	E ₅
3	CRA	C_1
4	MFI	M_0
5	M	M ₂
Position	Meaning	HC

FIG. 9

Bit #	15	14	15 14 13 12 11 10 9 8	12	Ξ	우	တ	∞	7	9	7 6 5 4	4	m	2	-	0
Meaning	Pal	Parity				22	ate n	natcl	jing	exte	Rate matching extension RAE	l RA	ш			
	Ч	P_0	P ₁ P ₀ R ₁₃ R ₁₂ R ₁₁ R ₁₀ R ₉ R ₈ R ₇ R ₆ R ₅ R ₄ R ₃ R ₂ R ₁ R ₀	R_{12}	д	R ₁₀	R_9	$_8$	R ₇	R_6	R5	R_4	ಹ್ಮ	&²	ξ.	Б.